

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|----------------|---|------------------|---------|------------------|
| S1    | 125  | hori-kohei.in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/07/03 09:19 |
| S2    | 355  | 475/183.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/07/03 09:19 |
| S3    | 355  | S2 not S1      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/07/03 09:42 |
| S4    | 480  | S1 S3          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/07/03 09:42 |
| S5    | 109  | 475/335.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/07/03 09:42 |
| S6    | 108  | S5 not S4      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/07/03 09:50 |
| S7    | 588  | S4 S6          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/07/03 09:51 |
| S8    | 280  | 475/344.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/07/03 09:51 |
| S9    | 262  | S8 not S7      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/07/03 09:57 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S10 | 850  | S7 S9   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 09:58 |
| S11 | 220  | 475/904.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 09:58 |
| S12 | 191  | S11 not S10   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:02 |
| S13 | 1041 | S10 S12   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:02 |
| S14 | 1341 | 74/409.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:02 |
| S15 | 180  | S14 and gear and roller                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:02 |
| S16 | 178  | S15 not S13   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:10 |
| S17 | 1219 | S13 S16   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:10 |
| S18 | 640  | (planet\$3 near2 gear) same<br>(planet\$3 near2 roller) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:10 |
| S19 | 599  | S18 not S17   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:31 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S20 | 1818 | S17 S19  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:31 |
| S21 | 110  | composite adj planet\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:31 |
| S22 | 104  | S21 not S20  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:36 |
| S23 | 1922 | S20 S22  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:38 |
| S24 | 2    | 10/364021.app.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:37 |
| S25 | 7    | ("3548673"   "4369668"  <br>"4912998"   "5092190"  <br>"6454044").PN. OR ("6997076").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/07/03 10:37 |
| S26 | 1928 | S23 S24 S25  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:38 |
| S27 | 33   | ("1060865"   "1688194"  <br>"3216270"   "3548673"   "3602070"<br>  "4095488"   "4183226"  <br>"4280376").PN. OR<br>("2004/0154422"   "3548673"  <br>"5092190").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/07/03 10:38 |
| S28 | 14   | S27 not S26  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:40 |
| S29 | 1942 | S26 S28  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/07/03 10:40 |

## EAST Search History

|     |     |                |   |    |    |                  |
|-----|-----|----------------|---|----|----|------------------|
| S30 | 125 | hori-kohei.in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S31 | 356 | 475/183.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S32 | 356 | S31 not S30    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S33 | 481 | S30 S32        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S34 | 110 | 475/335.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S35 | 109 | S34 not S33    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S36 | 590 | S33 S35        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S37 | 284 | 475/344.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S38 | 266 | S37 not S36    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S39 | 856 | S36 S38        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S40 | 220  | 475/904.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S41 | 191  | S40 not S39   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S42 | 1047 | S39 S41   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S43 | 1350 | 74/409.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S44 | 183  | S43 and gear and roller                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S45 | 180  | S44 not S42   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S46 | 1227 | S42 S45   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S47 | 658  | (planet\$3 near2 gear) same<br>(planet\$3 near2 roller) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S48 | 615  | S47 not S46   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S49 | 1842 | S46 S48   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S50 | 112  | composite adj planet\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S51 | 106  | S50 not S49  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S52 | 1948 | S49 S51  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S53 | 2    | 10/364021.app.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S54 | 7    | ("3548673"   "4369668"  <br>"4912998"   "5092190"  <br>"6454044").PN. OR ("6997076").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/10/29 11:20 |
| S55 | 1954 | S52 S53 S54  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S56 | 34   | ("1060865"   "1688194"  <br>"3216270"   "3548673"   "3602070"<br>  "4095488"   "4183226"  <br>"4280376").PN. OR<br>("2004/0154422"   "3548673"  <br>"5092190").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/10/29 11:20 |
| S57 | 14   | S56 not S55  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S58 | 1968 | S55 S57  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:20 |
| S59 | 22   | S58 and @pd>"20070703"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/10/29 11:36 |

## EAST Search History

|     |   |  |          |    |    |                  |
|-----|---|--|----------|----|----|------------------|
| S60 | 1 | (planet\$3 and roller and gear and radius and "working pitch circle").<br>clm. | US-PGPUB | OR | ON | 2007/10/29 11:37 |
| S61 | 1 | (planet\$3 and roller and gear and "working pitch circle").clm.                | US-PGPUB | OR | ON | 2007/10/29 11:38 |